Georgia Department of Agriculture

Capitol Square • Atlanta, Georgia 30334-4201

Tommy Irvin
Commissioner

Dear Owner:

Enclosed, please find the Georgia Department of Agriculture's **Starter Kit** and **Renewal Kit** for bottled water certification. If these procedures are followed, turn-around time should be greatly reduced.

At the present time, we do not license out-of-state bottled water **manufacturers**. However, we do require that you furnish the following information:

1. On start-up, complete test results from **each source** of water to be sold in Georgia should be submitted for review. Additionally, identical analysis of the **finished product** must also be submitted, except that, radiological testing need not be repeated on finished product if accomplished on source water. Testing shall be in accordance with the Georgia Department of Agriculture regulations, Chapter 40-7-6 and the current edition of the Code of Federal Regulations, Part 165. The analyses should include chemical, physical, bacteriological and radiological.

2. **Renewal** of your certification will be annually, during the first quarter of each calendar year. **Renewals only require completion of the Georgia Water Certification Form for source and finished product and supporting documentation from the laboratory and current labels. (see items 9 and 10, also)**

3. **All analyses must be submitted on the Georgia Water Certification Form. It must be completed by an approved laboratory with a notarized signature of the Chemist in Charge or Project Manager and returned to this office. If supporting laboratory data is sent with the state form, the signature does not have to be notarized.**

4. **If Gross Alpha and Gross Beta are within tolerance, Radium 226 and Radium 228 are waived.**

5. Submit one copy of all labels under which bottled water will be distributed in Georgia. Georgia follows labeling requirements as outlined in 21 CFR part 165. Labels will be reviewed for compliance with all applicable labeling requirements of the State of Georgia. **Note: Georgia requires a statement of quantity in both Standard English and metric.**

6. Out of state firms should submit a letter from your local regulatory agency stating that the water plant is under routine inspection and submit a copy of the last inspection form.

7. If you wish to label your product **"Spring Water" or "Artesian Water"**, there will be additional requirements. Spring water collected directly from the spring or gravity fed to a holding tank must be verified in writing by the inspecting authority of the state or municipal jurisdiction in which the spring is located. Additionally, if bore holes or other means of extraction are used, Hydrogeologic reports **demonstrating the hydraulic connection** between the spring and the borehole must be submitted along with your other data. Two sets of fingerprint analyses (one from the spring and one from the bore hole) will also be required to ascertain if the water taken from the bore hole is, in fact, the same water as the spring. Likewise, **artesian sources** will also require hydrogeologic reports establishing that the source is from a confined aquifer and that the water level stands at some height above the top of the aquifer. This information will be submitted, through this office, to the Department of Natural Resources, Geologic Survey Division for their approval. **Turnaround for this phase is significant. Make sure that all information is accurate, complete and**

signatures are verified as stated in the Georgia regulations. Their ruling is final. PLEASE SUBMIT TWO (2) COPIES OF ALL HYDROGEOLOGIC REPORTS.

8. **If your state has already received and verified the required documentation and is willing to sign a reciprocal agreement with the State of Georgia testifying to that fact, please have them contact me as soon as possible.**

9. Physical, chemical, bacteriological, and radiological analyses of the source water and the finished product must be re-verified annually **within the first quarter of each calendar year.**

10. Dioxin will no longer be waived effective 2 February 1999.

The kits will also include pertinent license applications for beverage bottlers (only), Georgia Water Certification Forms, and information concerning the inspection personnel you should contact if the source is located in the State of Georgia.

Hopefully, this will help you understand the requirements of the Georgia Department of Agriculture with minimum effort. If I can be of further service to you, please do not hesitate to call me at 404-656-3621.

Sincerely,

Mark R. Norton
Agriculture Manager
Consumer Protection Division

Approved Laboratories

National Testing Laboratories
Barbara Marteney
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Compliance Designs
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Vallid Labs, Inc. BacT
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Phone 860-668-4330
Debra Ext 0542
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Tri-Tech Laboratories, Inc.
P. O. Box 140066-
Orlando, FL 32814-0966
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Broward Testing Laboratory, Inc.
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Updated 05/13/2009

Georgia Department of Agriculture

Bottled Water Certification

Firm: _____ **Date of Analyses:** ____/____/____

State/Country: _____ **Source** (by name or No.):_____

Source Sample **Finished Product Sample**

START-UP AND ANNUAL TESTING

(b)(4)(i)(B) Contaminant	MCL (mg/L)	Results	MDL	Contaminant	MCL (mg/L)	Results	MDL
Chemical Quality							
Aluminum	0.2						
Arsenic	0.05			Total Dissolved Solids[1]	500		
Chloride[1]	250.0			Zinc[1]	5.0		
Iron[1]	0.3			Trihalomethanes (Total)	0.10		
Manganese[1]	0.05						
Phenols	0.001						
Silver	0.1			Fluoride	***		
Sulfate[1]	250.0						

*** See Table 1 and 2 (21 CFR Part 165) on allowable levels and do not relate to a health concern.

1. Mineral water is exempt from allowable level. The exemptions are aesthetically based

Contaminant (b)(4)(iii)(A)	MCL (mg/L)	Results	MDL	Contaminant	MCL	Results	MDL
Inorganic Chemicals/Physical							
Antimony	0.006			Total Nitrate/Nitrite	10.0		
Barium	2.0			Selenium	0.05		
Beryllium	0.004			Thallium	0.002		
Cadmium	0.005			Color	15 units		
Cyanide	0.2			Corrosivity			
Chromium	0.1			Total Plate Count			
Copper	1.0			Coliform			
Lead	0.005			Fecal Coliform	0		
Mercury	0.002			pH			
Nickel	0.1						
Nitrite	1.0						

(b)(4)(iii)(B) Contaminant	MCL (mg/L)	Results	MDL	Contaminant	MCL (mg/L)	Results	MDL
VOC's				1,2-Dichloropropane	0.005		
				Ethylbenzene	0.7		
Benzene	0.005			Monochlorobenzene	0.1		
Carbon Tetrachloride	0.005			Styrene	0.1		
0-Dichlorobenzene	0.6			Tetrachloroethylene	0.005		
p-Dichlorobenzene	0.075			Toluene	1.0		
1,2-Dichloroethane	0.005			1,2,4-Trichlorobenzene	0.07		
1,1-Dichloroethylene	0.007			1,1,2-Trichloroethane	0.005		
cis-1,2-Dichloroethylene	0.07			1,1,1-Trichloroethane	0.20		
Trans-1,2-Dichloroethylene	0.1			Trichloroethylene	0.005		
Dichloromethane	0.005			Vinyl Chloride	0.002		
				Xylenes (Total)	10.0		

(b)(4)(iii)(C) Contaminant	MCL (mg/L)	Results	MDL	Contaminant	MCL (mg/L)	Results	MDL
SOC's				Ethylene dibromide	0.00005		
				Glyphosate	0.7		
Alachlor	.002			Heptachlor	0.0004		
Atrazine	0.003			Heptachlor epoxide	0.0002		
Benzo(a)pyrene	0.0002			Hexachlorobenzene	0.001		
Carbofuran	0.04			Hexachlorocyclopentadiene	0.05		
Chlordane	0.002						
Dalapon	0.2			Lindane	0.0002		
1,2-Dibromo 3-chloropropane	0.0002			Methoxychlor	0.04		
2,4-D	0.07			Oxamyl	0.2		
Di(2-ethylhexyl)adipate	0.4			Pentachlorophenol	0.001		
Dinoseb	0.007			PCB's	0.0005		
Diquat	0.02			Picloram	0.5		
Endothall	0.1			Simazine	0.004		
Endrin	0.002			2,3,7,8-TCDD(Dioxin)	$3x10^{-8}$		
				Toxaphene	0.003		
				2,4,5-TP (Silvex)	0.05		

Radiological
START-UP AND ANNUAL TESTING

1. The bottled water shall not contain a combined radium 226 and radium 228 activity in excess of 5 picocuries per liter of water.

2. The bottled water shall not contain a gross alpha particle activity (including radium 226, but excluding radon and uranium) in excess of 15 picocuries per liter of water.

3. **The bottled water shall not contain beta particle and photon radioactivity from man-made radionuclides in excess of that which would produce an annual dose equivalent to the total body or any internal organ of 4 millirems per year calculated on the basis of an intake of 2 liters of the water per day.

Contaminant	MDL	Results	MCL	Units
Gross Alpha			15	pCi/L
Gross Beta			**	
Radium 226			5	pCi/L
Radium 228			5	pCi/L

_____ _____/_____/_____
Notarized Signature of Chemist in Charge or Project Manager Date

_____
Laboratory

Supporting Documents?
❑ Yes ❑ No
If "yes" notary is not required.